

Protection of Onboard Regas Heat Exchanger

NUSANTARA REGAS FSRU

Background:

Seawater-heated regas systems that use propane as intermediate medium have been supplied by Wärtsilä Oil & Gas Systems for two Golar LNG vessels.

Each FSRU is equipped with three regas trains, each with a processing capacity of approximately 230 tons/h. Two of the three trains can be operated simultaneously giving a total capacity of 460 tons/h.

Description of the solution:

The three BOLLFILTERs installed on the main deck of the vessel are able to screen 4,600m³/h seawater before it is further transported to the regas plant heat exchangers and as such protect the heat exchangers by filtering particles of 500 microns and larger.

Advantages for the customer:

Zoran Tadic, the Terminal Manager of the FSRU Nusantara Regas Satu states:

“When referring to operation, there are three major advantages in favor of the BOLLFILTER Automatic Type 6.18:

- The very low pressure drop during the flushing phase which enables a continuous flow in the whole process.
- The easy maintenance.
- The outstanding quality of the system with robust spare parts which makes the filter durable.”

System:

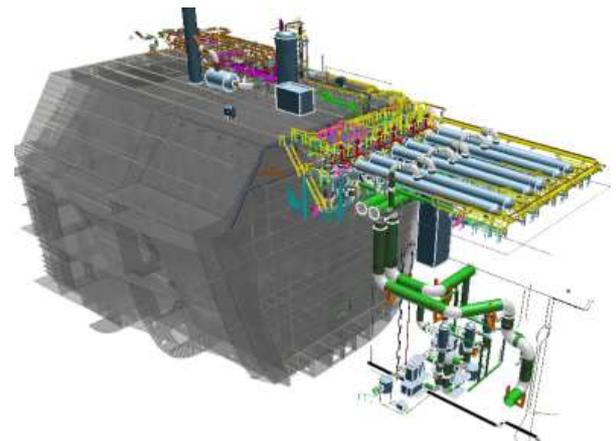
The BOLLFILTER Automatic Type 6.18 – backwashable, with wedge wire elements



NUSANTARA REGAS FSRU with LNG Tanker



Birdseye view of the 3 BOLLFILTERs Automatic Type 6.18 DN 800



3D Model showing SW System and Shell and Tube Type Vaporizers